

**IN THE SPECIFICATION**

Please delete paragraph number 0007 from page 3 of the application.

Please insert the following paragraph after original paragraph 0038 on page 14 of the application:

FIG. 2(a) illustrates an orthogonal launch transmission system implementing polarization controllers. Inputs 100a,b transmit signals to polarization controllers 102a,b along fibers 104a,b, which may be single mode fibers. The pair of polarization controllers 102a,b operate on the input signals and pass optical signals 114a,b along a second pair of fibers 106a,b. The signals 114a,b are then multiplexed together by a multiplexer ("MUX") 108 to form a multiplexed signal 116. The multiplexed signal 116 is transmitted through an undersea optical cable (or "wet plant") 110. A second portion of the multiplexed signal 116 is split by a polarization splitter 112, and used to provide feedback to the pair of polarization controllers 102a,b.

IN THE DRAWINGS

Attachment: Replacement Sheets

FIG. 2(a) has been amended to delete an inadvertent reference to the drawing as "Prior Art."